

## ABSTRACT

The present invention relates to systems and methods providing content-access--based information retrieval. Information items from a plurality of disparate information sources that have been previously accessed or considered are automatically indexed in a data store, whereby a multifaceted user interface is provided to efficiently retrieve the items in a cognitively relevant manner. Various display output arrangements are possible for the retrieved information items including timeline visualizations and multidimensional grid visualizations. Input options include explicit, implicit, and standing queries for retrieving data along with explicit and implicit tagging of items for ease of recall and retrieval. In one aspect, an automated system is provided that facilitates concurrent searching across a plurality of information sources. A usage analyzer determines user accessed items and a content analyzer stores subsets of data corresponding to the items, wherein at least two of the items are associated with disparate information sources, respectively. An automated indexing component indexes the data subsets according to past data access patterns as determined by the usage analyzer. A search component responds to a search query, initiates a search across the indexed data, and outputs links to locations of a subset and/or provides sparse representations of the subset.